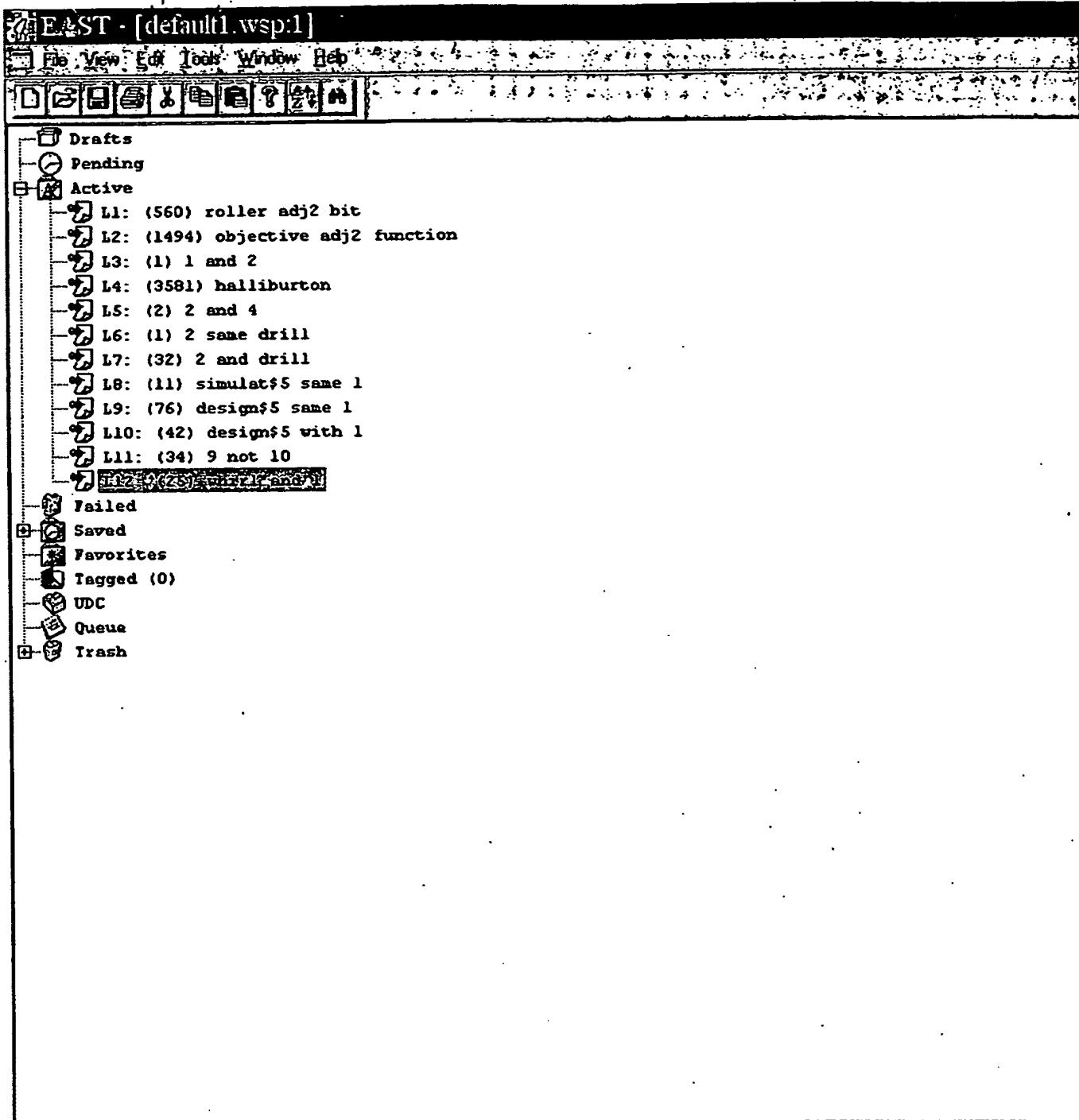
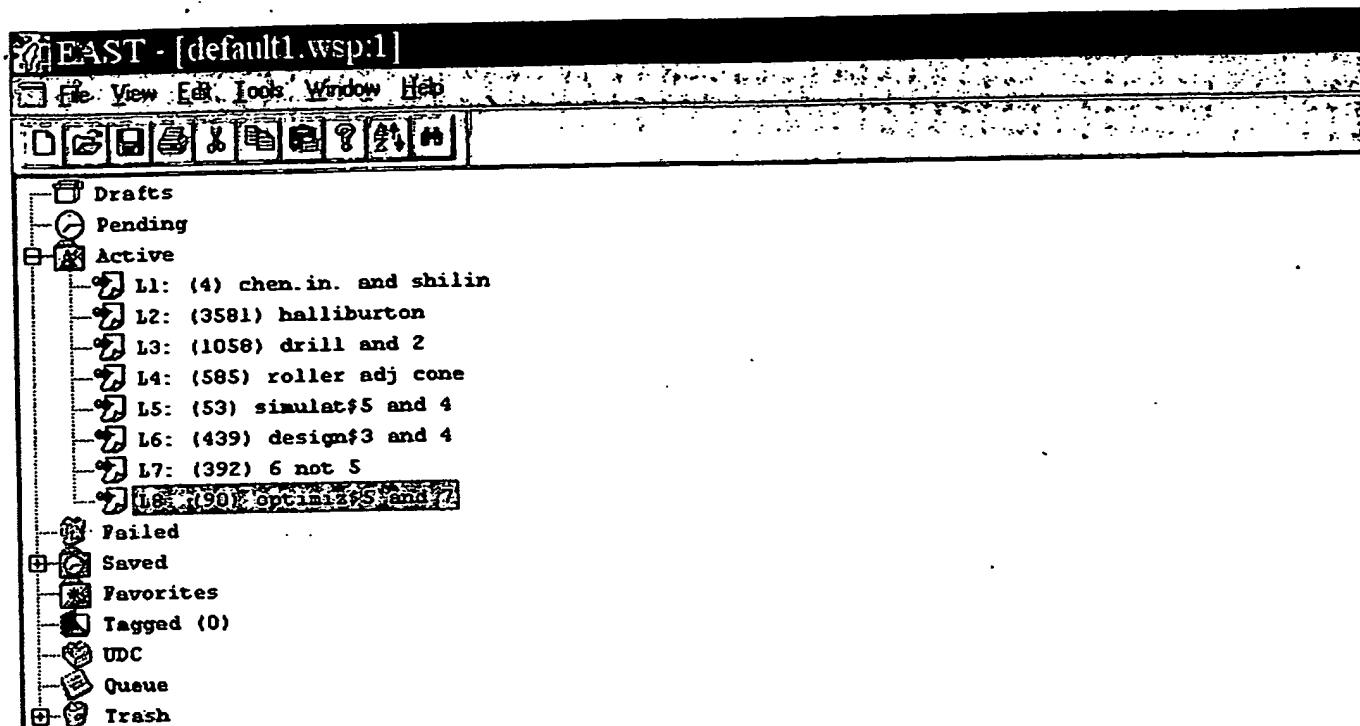


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U	I	Document ID	Issue Date	Pages	Title	1
1	<input type="checkbox"/>	US 6651758 B2	20031125	16	Rolling cone bit with elements fanned along the gage curve	1
2	<input type="checkbox"/>	US 6637527 B1	20031028	13	Cutting structure for roller cone drill bits	1
3	<input type="checkbox"/>	US 6619411 B2	20030916	14	Design of wear compensated roller cone	1



	U	I	Document ID	Issue Date	Pages	Title	
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6651007 B2	20031118	20	Adaptive seismic noise and interference attenuation method	7
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6607835 B2	20030819	15	Composite constructions with ordered microstructure	4
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6598690 B2	20030729	16	Dual dynamic rotary seal	1

**CLASS 175 BORING OR PENETRATING THE EARTH**

- 1      **WITH SEISMIC SHOCK GENERATING**
- 2      **BORING WITH EXPLOSION IN INACCESSIBLE HOLE**
  - 3      . Severing formed core by explosion
  - 3.5     . Explosive charge carried by projectile
  - 4      . Driving core receiver by explosion or with receptacle collecting material in bore
  - 4.5     . Directing successive projectiles or charges in same path
  - 4.51    . With position orienting or indicating
  - 4.52    . With wall engaging packer or anchor
  - 4.53    . Firing chamber movable in bore relative to carrier or another firing chamber
  - 4.54    . With bore condition firing control, or compensating means
  - 4.55    . Independent firing of plural charges
  - 4.56    . Firing control mechanically actuated in bore
  - 4.57    . Projectile forms bore
  - 4.58    .. With means to initially restrain projectile for pressure build-up
  - 4.59    .. With means to prevent preliminary bore fluid contact
- 4.6     . Concave-shaped charge
- 5      **BORING A SUBMERGED FORMATION**
  - 6      . Boring with underwater tool drive prime mover
  - 7      . Boring from floating support with submerged independent anchored guide base
  - 8      . Boring from submerged buoyant support
  - 9      . Boring from nonbuoyant support
  - 10     . Boring with submersible vertically movable guide
- 11     **BORING BY DIRECTLY APPLYING HEAT TO FLUIDIZE OR COMMUNATE**
  - 12     . Combustion of the formation material
  - 13     . With introduction of slag forming flux
  - 14     . Combustion in confined chamber having restricted discharge orifice
  - 15     . Rotating the heating tool
  - 16     . Electrically produced heat
- 17     **WITH HEATING OR COOLING (1) WITHIN THE BORE, OR (2) DRILLING FLUID**
- 18     **ICE BORING**
- 19     **BORING WITHOUT EARTH REMOVAL (I.E., COMPACTING EARTH FORMATION)**
  - 20     . Combined with earth removal (e.g., removing sample)
  - 21     . Fluid passage to exterior of drive point